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Please allow us to introduce ourselves. Ideas Inc has over 35 years of experience in the field of precision sheet metal fabrication. Our 20,000 square foot facility is located in Lowell, Massachusetts. Our capabilities range from small lot quick turn prototypes to mass production. We manufacture anything from the simplest brackets to complex assemblies. Full in-house welding capability is one of our advantages. The facility's list is as follows:

LASER EQUIPMENT

CNC Amada Lasmac – 1500 watt laser; 50" X 100" table size; ¼" Cold Roll Capacity.

Omax 55100 Waterjet – Jet Machining Center – 50,000 psi, 100" x 55" X-Y Travel, 126" x 65" table size, Cuts virtually any material up to 8" thickness.

PUNCHING EQUIPMENT

CNC Amada Aries 245 – 20 station; 22 ton; auto index; 40" X 100" table size turret punch press

CNC Amada Octo – 8 station; 33 ton, 30" X 60" table size turret punch press

Manual Strippit 30-30 – 30 ton; 30" throat manual punch press

Roper Whitney kick press

Sets of various size Rollers

Expansive selection of tooling for the above machines.

All of the above-mentioned equipment down-loadable using Metalsoft Fabricating and Solid Works software.

FORMING EQUIPMENT

Amada RG-100 brake 120" bed 135 ton capacity
Amada RG80S – 3 axis press brake; 80" long bed; 80 ton
Verson mechanical press brake; 96" long; 45 ton
Diacro Hydraulic – 40" long; 20 ton
Diacro 18" long hand brake

SHEARING EQUIPMENT

Amada 96" long; 11-gauge swing beam shear
Diacro 24" hand shear for light gauges

NOTCHING EQUIPMENT

Amada CS220 – 11 gauge; 8" X 8" hydraulic notcher
Strippit 11 gauge; 4" X 4" notcher
Diacro 18 gauge; 4" X 4" hand notcher

WELDING EQUIPMENT

Miller Syncrowave 250
Lincoln heliarc welder; 300/300
Lincoln 255 MIG welder
Amada ID40ST Spot Welder; 30 KBA for Aluminum
2 – 60" X 60" platten welding table with assorted hold-downs and fixtures
Our Welding staff has experience in arc tig; mig, aluminium, stainless steel and cold roll steel

GRINDING EQUIPMENT

6" time sander

24" time sander

Falls metal deburr machine

48" X 6" vertical belt sander

6" horizontal belt stroke sander

Assorted air grinders, air files and assorted tools

INSPECTION EQUIPMENT

36" X 48" Starret surface plate

Brown & Sharpe Tesa electronic height gauge 24"

Mitutoyo verniers from 6" to 24"

Mitutoyo height gauges 24" to 40"

Mitutoyo micrometers to 6"

Gauge blocks, gauge pins, radius gauges, square blades, and scales to 72"

14" optical comparators – focus 20X

GENERAL EQUIPMENT

Power Matic 16" band saw

Bridgeport milling machine

Graziano Lathe – 14" swing

12" Diacro roll

Kellog American 10 horse air compressor

Haeger Automatic and manual hardware machine – Pemsarter